

Morbidity and Mortality

Weekly
Report



U. S. Department of
HEALTH, EDUCATION, AND WELFARE

Public Health Service

NATIONAL OFFICE OF VITAL STATISTICS

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended May 15, 1954

Since January 1 of the current year, a total of 90 human cases of psittacosis has been reported in the United States. These have been reported from 26 different States located in all sections of the country. The States that have reported the largest numbers of cases are New York (11), California (10), Colorado (8), Connecticut (8), and Ohio (7). According to reports of epidemiologic investigations of cases, these have followed contact with psittacine birds. Unofficial reports have also been received of other cases which resulted from exposure to domestic fowl. These are not included in the 90 cases reported above. Valid comparisons cannot be made with previous years, since the disease was not made reportable to the Public Health Service on a weekly basis until January 1, 1954.

The total (151) number of cases of poliomyelitis reported for the current week is approximately the same as the number (155) reported for the corresponding week of 1953. The number for the current week excludes Pennsylvania, from which no report was received. This State reported 1 case last week.

The cumulative total for the "disease year," which began with the week ended April 10, is 719 as compared with 636 for the same period of last year. For the corresponding period of 1952, the total was 520. About 60 percent of the cases reported during this 6-week period this year were in 3 States: California with 160 cases, Texas with 152, and Florida with 94. The total for this period in Texas is less than the 176 cases reported for the corresponding period of 1952. However, the totals reported in California and Florida for this period of 1954 exceed those for corresponding periods of both 1952 and 1953. It is too early in the "polio season" to determine whether the incidence of the disease will be greater in 1954 than in previous years.

EPIDEMIOLOGICAL REPORTS

Psittacosis

Dr. Wayne M. Moore, Veterinarian, Ohio Department of Health, reports the occurrence of psittacosis in 4 areas of the State. Five persons in a department store were affected and at least 4 other persons in the community had symptoms suggestive of psittacosis. Serological examination of blood samples of 5 patients showed positive titers of 1:160 or greater for psittacosis. On blood samples of the other 4, the titers were less than 1:40. The source of infection was parakeets among a shipment of 30 birds which had been received by the department store. Psittacosis virus has been isolated from a parakeet in a household where illness occurred. Virus studies are being made on 2 other parakeets. No other cases have been discovered among persons who purchased these parakeets. In another instance, a laboratory test on a 52-year-old man showed a rise in titer for psittacosis, from 1:160 to 1:640. His wife had no significant clinical illness, but laboratory test on blood samples showed a titer of 1:80. This man and his wife operate an aviary and keep approximately 150 parakeets. There have been no additions or no recent illnesses or deaths among the birds in the aviary. To date, 3 parakeets with normal appearance have been proven positive for psittacosis by isolation of the virus. In another part of the State a man and his wife had a clinical illness suggestive of psittacosis. Laboratory examination of

blood specimens of the wife showed a rise in titer for psittacosis, from 1:4 to 1:16. For the husband, the convalescent blood specimen was positive in a dilution of 1:256. Examination of a specimen from a 24-year-old son gave a titer of 1:8. They have 4 psittacine birds but none were submitted for laboratory examination. The other incident was a single case in a 49-year-old woman who had symptoms suggestive of psittacosis. Acute and convalescent blood specimens showed a rise in titer, from 1:5 to 1:40. She was in contact with a parakeet which had died shortly before her symptoms appeared. Two birds from the aviary where she purchased the parakeet were submitted to the laboratory for examination but no virus was isolated.

Influenza

The following reports have been received from the Influenza Information Center, NIH.

Dr. D. S. Fleming, Minnesota Department of Health, reports the serologic diagnosis of influenza B in a single case occurring in Carlton County, Minnesota, during the latter part of April.

Dr. E. H. Lennette, California Department of Health, reports the serologic diagnoses of 16 additional cases of influenza B occurring during the latter part of March and the early part of April in scattered localities of California.

Plague infection

Mr. Bertram Gross, Hawaii Department of Health, reports that plague infection was proved positive for *P. pestis* on a specimen of fleas collected on April 26, 1954, within the endemic area of the Hamakua District. The specimen was a mass flea inoculation of 11 *X. cheopis*. The fleas were obtained from rodents, a female *R. hawaiiensis*, a female *R. norvegicus*, and a male *M. musculus*, which were trapped in District 1A.

Trichiniasis

Dr. Wayne M. Moore reports an outbreak of trichiniasis in 6 persons living in Ohio. All were members of one family and relatives who had consumed pork sausage. The meat was made from 1 hog on a farm where swine were fed grain. Rats were observed on this farm and further investigation is being conducted. The predominant symptoms were edematous areas, muscle pain, and diarrhea. Blood samples from patients were submitted for a slide agglutination test. These were positive in a dilution ranging from 1:16 to 1:4120 for the 6 patients. A piece of sausage, submitted to the laboratory, was found to be heavily infested with cysts of *Trichinella spiralis*.

Salmonellosis

Dr. D. S. Fleming, Minnesota Department of Health, reports an outbreak of salmonellosis involving 8 known cases in children under 10 years of age. In each case, the diagnosis has been confirmed by isolation of *Salmonella typhimurium* from stool specimens. The source of infection in 7 cases was probably chicks distributed by a super market just before Easter as a means of publicity. In one home, contact with such chicks or the store was denied. Chicks from 2 homes were demonstrated to be infected with the organism. The number of chicks and the source have not been determined at this time, but it is estimated that

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over a thousand were distributed by the store where the infected chicks originated.

Gastro-enteritis

The California Department of Public Health reports an outbreak of gastro-enteritis in a small city. About 65 cases were reported and numerous complaints about dirty and bad tasting water were received. An investigation revealed that the source of infection was probably contaminated public water supply. The suspected contamination resulted from surface water, impounded behind a flood control debris basin, seeping into the city's infiltration tunnels. Bacteriological examination of water samples collected 3 days prior to the outbreak indicated that the quality of water in the system had undergone a change. The tunnel water was turned out of the system and calcium hypochlorite distributed between 3 storage reservoirs and allowed to stand overnight. The next morning the system was flushed until the chlorinated water from the reservoirs was distributed

throughout the system. The water shed on which the infiltration tunnels are located is free from habitation and sewage disposal. However, it is possible that a small amount of human waste could have been present and was washed into the debris basin.

Dr. L. M. Schuman, Illinois Department of Public Health, reports a small outbreak of gastro-enteritis in the southern part of the State. Six persons in 3 families became severely ill with nausea, vomiting, abdominal cramps, and diarrhea after eating chocolate (custard filled) eclairs. One eclair was submitted for laboratory examination and *Staphylococcus albus* was found. Rectal swabs taken from one of the families showed only coliform organisms. The eclairs were purchased in a local bakery, which conforms to sanitary practices as recommended by the local health department. The eclairs were not kept refrigerated but were kept in a show case under a fluorescent light. An investigation at the bakery revealed that all the eclairs were sold, and the proprietor was unable to say how many different individuals

Continued on page 8

Table 1. CASES OF SPECIFIED NOTIFIABLE DISEASES: CONTINENTAL UNITED STATES
(Numbers after diseases are category numbers of the Sixth Revision of the International Lists, 1948)

DISEASE	19th week			CUMULATIVE NUMBER						Approximate seasonal low point
	Ended May 15, 1954	Ended May 16, 1953	Median 1949-53	First 19 weeks			Since seasonal low week			
				1954	1953	Median 1949-53	1953-54	1952-53	Median 1948-49 to 1952-53	
Anthrax-----062	-	1	1	7	17	17	(1)	(1)	(1)	(1)
Botulism-----049.1	-	1	---	6	13	---	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)-----044	26	36	---	539	568	---	(1)	(1)	(1)	(1)
Diphtheria-----055	36	43	71	714	830	1,597	2,079	2,501	4,623	July 1
Encephalitis, infectious-----082	33	22	17	2,467	349	290	(1)	(1)	(1)	(1)
Hepatitis, infectious, and serum-----092,N998.5 pt.	1,090	741	---	24,267	12,912	---	(1)	(1)	(1)	(1)
Malaria-----110-117	8	36	---	142	208	---	(1)	(1)	(1)	(1)
Measles-----085	27,649	25,049	25,049	408,982	278,000	318,251	445,074	309,434	347,641	Sept. 1
Meningococcal infections-----057	97	140	80	2,096	2,657	1,976	3,418	3,932	3,055	Sept. 1
Polioyelitis-----080	151	155	101	2,272	2,217	1,693	719	636	427	Apr. 1
Psittacosis-----086.2	8	5	---	90	8	---	(1)	(1)	(1)	(1)
Rabies in man-----094	-	-	---	1	1	2	(1)	(1)	(1)	(1)
Rocky Mountain spotted fever-----104A	13	6	7	36	23	31	(1)	(1)	(1)	(1)
Scarlet fever and streptococcal sore throat-----050,051	3,343	3,759	1,772	83,269	78,406	49,000	117,903	114,994	72,206	Aug. 1
Smallpox-----084	-	-	1	-	3	9	(1)	(1)	(1)	(1)
Trichiniasis-----128	8	8	---	110	101	---	(1)	(1)	(1)	(1)
Tularemia-----059	6	9	12	226	199	263	(1)	(1)	(1)	(1)
Typhoid fever-----040	32	47	32	580	514	578	171	209	175	Apr. 1
Typhus fever, endemic-----101	3	5	---	749	62	---	715	22	---	Apr. 1
Whooping cough-----056	1,097	713	1,054	20,294	12,042	21,139	30,051	19,899	35,403	Oct. 1
Rabies in animals-----	163	164	---	3,270	3,187	---	(1)	(1)	(1)	(1)

¹Information not available or frequencies are too small.

²Deduction: West Virginia, week ended May 8, 9 cases. Addition: Indiana, week ended May 8, 1 case.

³Addition: West Virginia, week ended May 8, 9 cases. Deduction: Mississippi, week ended May 1, 1 case.

⁴Addition: New Jersey, week ended May 8, 1,000 cases.

⁵Deduction: Indiana, week ended May 8, 1 case.

⁶California, Delaware, and Illinois, 1 case each; Virginia, 2 cases; New Jersey, 3 cases.

⁷Addition: North Carolina, week ended May 8, 1 case.

NOTE.—No report for the current week has been received from Pennsylvania.

SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from health departments of each State and Territory and of one possession. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Cases of anthrax, botulism, psittacosis, rabies in man, and smallpox are not shown

in table 2, but a footnote to table 1 shows the States making the reports. In addition, when diseases of rare occurrence (cholera, dengue, plague, relapsing fever—louse borne, typhus fever—epidemic, and yellow fever) are reported, they will be noted at the end of table 1.

Symbols.—1 dash [-]: no cases reported; 3 dashes [---]: data not available.

Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MAY 16, 1953, AND MAY 15, 1954

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	BRUCELLOSIS (UNDULANT FEVER) (044)		DIPHTHERIA (055)		ENCEPHALITIS, INFECTIOUS (082)		HEPATITIS, INFECTIOUS, AND SERUM (092,N998.5 pt.)		MALARIA (110-117)			
	1954	1953	1954	1953	1954	1953	1954	1953	Civilian ¹		Military	
									1954	1953	1954	1953
CONT. UNITED STATES-----	26	36	36	43	33	22	1,090	741	7	11	1	25
NEW ENGLAND-----	-	1	2	-	1	1	66	55	1	1	-	1
Maine-----	-	-	-	-	-	-	26	8	-	-	-	-
New Hampshire-----	-	-	-	-	-	-	-	12	-	-	-	-
Vermont-----	-	-	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	-	-	2	-	1	1	26	28	-	-	-	1
Rhode Island-----	-	-	-	-	-	-	8	-	-	-	-	-
Connecticut-----	-	1	-	-	-	-	6	7	1	1	-	-
MIDDLE ATLANTIC-----	2	1	2	6	7	11	198	69	-	-	-	1
New York-----	1	1	-	5	6	8	181	62	-	-	-	1
New Jersey-----	1	-	2	-	1	3	17	-	-	-	-	-
Pennsylvania-----	-	-	-	1	-	-	-	7	-	-	-	-
EAST NORTH CENTRAL-----	5	6	2	5	6	4	123	127	-	1	-	-
Ohio-----	1	-	-	-	-	-	19	43	-	1	-	-
Indiana-----	-	1	2	2	1	-	17	28	-	-	-	-
Illinois-----	2	4	-	1	1	-	52	38	-	-	-	-
Michigan-----	-	1	-	2	3	2	20	11	-	-	-	-
Wisconsin-----	2	-	-	-	1	2	15	7	-	-	-	-
WEST NORTH CENTRAL-----	10	16	1	6	1	2	218	89	-	-	-	-
Minnesota-----	2	1	1	2	-	1	44	3	-	-	-	-
Iowa-----	7	5	-	3	-	-	141	46	-	-	-	-
Missouri-----	1	7	-	1	-	-	7	11	-	-	-	-
North Dakota-----	-	-	-	-	-	-	4	9	-	-	-	-
South Dakota-----	-	1	-	-	-	-	4	-	-	-	-	-
Nebraska-----	-	1	-	-	-	1	-	8	-	-	-	-
Kansas-----	-	1	-	-	1	-	18	12	-	-	-	-
SOUTH ATLANTIC-----	4	2	12	6	2	1	139	163	1	-	1	6
Delaware-----	1	-	-	-	-	-	2	-	-	-	-	-
Maryland-----	1	-	-	1	-	-	22	12	1	-	-	-
District of Columbia-----	-	-	-	-	-	-	3	-	-	-	-	-
Virginia-----	1	-	-	-	-	-	56	88	-	-	1	-
West Virginia-----	-	-	1	-	-	-	7	33	-	-	-	-
North Carolina-----	-	-	2	3	2	1	34	16	-	-	-	6
South Carolina-----	-	-	2	1	-	-	8	-	-	-	-	-
Georgia-----	1	2	3	1	-	-	-	7	-	-	-	-
Florida-----	-	-	4	-	-	-	7	7	-	-	-	-
EAST SOUTH CENTRAL-----	-	5	3	4	-	-	49	88	-	-	-	3
Kentucky-----	-	-	-	-	-	-	6	12	-	-	-	3
Tennessee-----	-	3	1	1	-	-	28	40	-	-	-	-
Alabama-----	-	1	1	3	-	-	3	16	-	-	-	-
Mississippi-----	-	1	1	-	-	-	12	20	-	-	-	-
WEST SOUTH CENTRAL-----	2	3	7	9	7	3	79	41	3	9	-	1
Arkansas-----	-	-	-	-	6	-	4	18	-	-	-	-
Louisiana-----	-	-	-	-	-	-	19	-	1	-	-	1
Oklahoma-----	-	-	3	2	-	-	9	4	1	-	-	-
Texas-----	2	3	4	7	1	3	47	19	1	9	-	-
MOUNTAIN-----	1	-	4	5	-	-	66	19	1	-	-	-
Montana-----	-	-	2	3	-	-	4	-	-	-	-	-
Idaho-----	-	-	-	2	-	-	15	-	-	-	-	-
Wyoming-----	-	-	-	-	-	-	1	2	-	-	-	-
Colorado-----	-	-	-	-	-	-	29	15	-	-	-	-
New Mexico-----	1	-	-	-	-	-	1	1	-	-	-	-
Arizona-----	-	-	-	-	-	-	13	1	1	-	-	-
Utah-----	-	-	2	-	-	-	2	-	-	-	-	-
Nevada-----	-	-	-	-	-	-	1	-	-	-	-	-
PACIFIC-----	2	2	3	2	9	-	152	90	1	-	-	13
Washington-----	-	-	1	1	-	-	30	18	-	-	-	4
Oregon-----	-	1	2	-	-	-	39	37	-	-	-	-
California-----	2	1	-	1	9	-	83	35	1	-	-	9
Alaska-----	-	-	-	-	-	-	4	-	-	-	-	-
Hawaii-----	1	-	-	-	-	-	1	5	-	-	1	1
Puerto Rico-----	-	-	2	13	-	-	-	-	-	-	-	-

¹Includes cases not specified as civilian or military.

4 Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MAY 16, 1953, AND MAY 15, 1954—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	MEASLES		MENINGO-COCCAL INFECTIONS (057)		POLIOMYELITIS (080)						ROCKY MOUNTAIN SPOTTED FEVER (104A)	
	(085)				Total ²		Paralytic (080.0,080.1)		Nonparalytic (080.2)			
	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953	1954	1953
CONT. UNITED STATES-----	27,649	25,049	97	140	151	155	51	59	51	26	13	6
NEW ENGLAND-----	1,064	307	6	5	2	5	1	2	1	-	-	-
Maine-----	123	62	-	2	-	3	-	-	-	-	-	-
New Hampshire-----	7	5	-	1	-	-	-	-	-	-	-	-
Vermont-----	56	12	-	-	-	-	-	-	-	-	-	-
Massachusetts-----	695	104	3	2	2	2	1	2	1	-	-	-
Rhode Island-----	64	11	-	-	-	-	-	-	-	-	-	-
Connecticut-----	119	113	3	-	-	-	-	-	-	-	-	-
MIDDLE ATLANTIC-----	4,279	1,711	9	20	6	12	2	6	1	-	2	2
New York-----	3,202	478	5	11	4	7	1	6	-	-	-	-
New Jersey-----	1,077	189	4	3	2	3	1	-	1	-	2	2
Pennsylvania-----	-	1,044	-	6	-	2	-	-	-	-	-	-
EAST NORTH CENTRAL-----	6,012	6,606	15	36	6	10	1	1	-	-	1	-
Ohio-----	1,180	2,058	3	13	1	3	-	1	-	-	1	-
Indiana-----	715	657	3	6	1	3	-	-	-	-	-	-
Illinois-----	2,040	736	8	9	2	3	-	-	-	-	-	-
Michigan-----	1,686	1,244	-	5	2	-	1	-	-	-	-	-
Wisconsin-----	391	1,911	1	3	-	1	-	-	-	-	-	-
WEST NORTH CENTRAL-----	1,074	3,107	5	8	8	17	1	8	4	3	-	-
Minnesota-----	43	185	1	2	-	4	-	2	-	-	-	-
Iowa-----	671	733	-	1	2	3	1	1	1	2	-	-
Missouri-----	55	766	-	3	3	7	-	5	1	-	-	-
North Dakota-----	82	88	1	-	-	-	-	-	-	-	-	-
South Dakota-----	57	11	1	-	-	-	-	-	-	-	-	-
Nebraska-----	103	218	2	1	2	1	-	-	2	1	-	-
Kansas-----	63	1,106	-	1	1	2	-	-	-	-	-	-
SOUTH ATLANTIC-----	4,251	1,545	16	23	36	17	6	3	13	4	6	1
Delaware-----	131	17	-	1	-	-	-	-	-	-	-	-
Maryland-----	457	114	1	-	-	-	-	-	-	-	4	1
District of Columbia-----	89	14	2	2	-	1	-	-	-	-	-	-
Virginia-----	1,644	271	3	5	-	3	-	1	-	-	2	-
West Virginia-----	422	397	-	1	2	2	-	-	-	-	-	-
North Carolina-----	366	346	3	5	2	4	1	1	1	2	-	-
South Carolina-----	135	111	3	2	2	1	1	1	-	-	-	-
Georgia-----	288	235	-	7	7	1	1	-	-	-	-	-
Florida-----	719	40	4	-	23	5	3	-	12	2	-	-
EAST SOUTH CENTRAL-----	1,185	925	13	8	6	18	2	1	-	1	-	-
Kentucky-----	411	548	9	6	2	1	2	1	-	-	-	-
Tennessee-----	357	127	3	-	-	1	-	-	-	1	-	-
Alabama-----	335	60	1	2	2	9	-	-	-	-	-	-
Mississippi-----	82	190	-	-	2	7	-	-	-	-	-	-
WEST SOUTH CENTRAL-----	4,059	4,845	13	17	47	30	17	16	20	4	-	1
Arkansas-----	59	473	1	3	3	5	1	2	2	1	-	1
Louisiana-----	63	185	2	2	2	5	2	5	-	-	-	-
Oklahoma-----	176	339	2	-	5	3	4	-	1	-	-	-
Texas-----	3,761	3,848	8	12	37	17	10	9	17	3	-	-
MOUNTAIN-----	1,233	1,753	5	2	7	6	1	1	-	-	4	2
Montana-----	280	226	1	-	-	1	-	-	-	-	-	1
Idaho-----	203	69	-	-	1	-	-	-	-	-	-	-
Wyoming-----	22	73	-	-	-	-	-	-	-	-	2	-
Colorado-----	102	658	-	-	-	1	-	-	-	-	1	1
New Mexico-----	138	206	3	-	-	-	-	-	-	-	-	-
Arizona-----	232	284	1	1	4	1	1	1	-	-	1	-
Utah-----	190	231	-	1	1	3	-	-	-	-	-	-
Nevada-----	66	6	-	-	1	-	-	-	-	-	-	-
PACIFIC-----	4,492	4,250	15	21	33	40	20	21	12	14	-	-
Washington-----	942	424	3	2	3	3	2	-	1	-	-	-
Oregon-----	189	645	3	2	1	3	1	2	-	1	-	-
California-----	3,361	3,181	9	17	29	34	17	19	11	13	-	-
Alaska-----	125	5	-	-	-	-	-	-	-	-	-	-
Hawaii-----	2	1	-	-	4	-	-	-	-	-	-	-
Puerto Rico-----	63	30	-	-	-	-	-	-	-	-	-	-

²Includes cases not specified by type, category number (080.3).

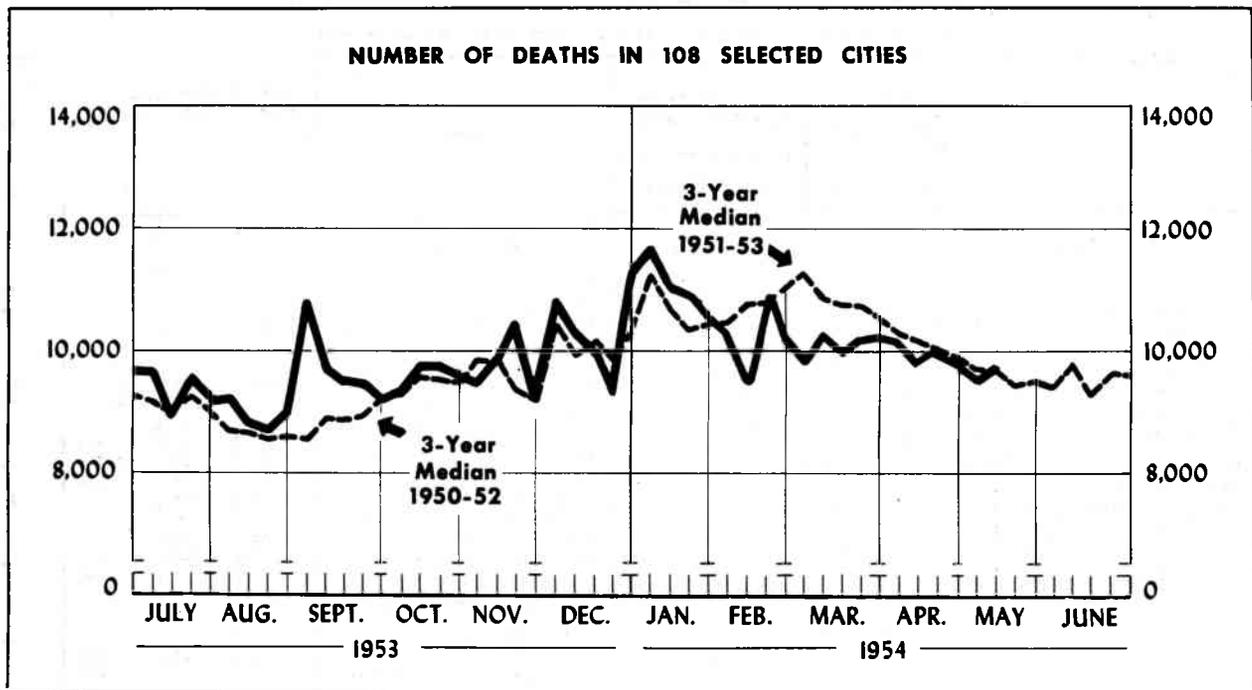
Morbidity and Mortality Weekly Report

Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, ALASKA, HAWAII, AND PUERTO RICO, FOR WEEKS ENDED MAY 16, 1953, AND MAY 15, 1954—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Sixth Revision of the International Lists, 1948)

AREA	SCARLET FEVER AND STREPTOCOCCAL SORE THROAT (050, 051)		TRICHI- NIASIS (128)	TULAREMIA (059)		TYPHOID FEVER (040)		TYPHUS FEVER, ENDEMIC (101)	WHOOPING COUGH (056)		RABIES IN ANIMALS	
	1954	1953	1954	1954	1953	1954	1953	1954	1954	1953	1954	1953
CONT. UNITED STATES-----	3,343	3,759	8	6	9	32	47	3	1,097	713	163	164
NEW ENGLAND-----	308	338	-	-	-	-	3	-	130	64	-	-
Maine-----	74	57	-	-	-	-	1	-	1	21	-	-
New Hampshire-----	18	3	-	-	-	-	-	-	6	8	-	-
Vermont-----	5	-	-	-	-	-	-	-	13	1	-	-
Massachusetts-----	115	127	-	-	-	-	-	-	51	23	-	-
Rhode Island-----	21	33	-	-	-	-	-	-	13	5	-	-
Connecticut-----	75	118	-	-	-	-	2	-	46	6	-	-
MIDDLE ATLANTIC-----	279	689	1	-	-	5	4	-	108	183	2	8
New York-----	226	382	1	-	-	-	-	-	89	85	2	8
New Jersey-----	53	175	-	-	-	5	1	-	19	56	-	-
Pennsylvania-----	---	132	---	---	---	---	3	---	---	42	---	---
EAST NORTH CENTRAL-----	464	660	1	2	-	2	2	-	199	85	22	30
Ohio-----	138	212	1	-	-	-	1	-	42	17	1	1
Indiana-----	44	45	-	-	-	-	-	-	37	9	7	18
Illinois-----	63	128	-	1	-	1	-	-	33	2	5	1
Michigan-----	144	162	-	-	-	-	1	-	71	41	5	3
Wisconsin-----	75	113	-	1	-	1	-	-	16	16	4	7
WEST NORTH CENTRAL-----	195	246	-	-	2	-	7	-	43	13	38	18
Minnesota-----	32	49	-	-	-	-	1	-	31	-	10	3
Iowa-----	39	46	-	-	1	-	-	-	3	5	4	4
Missouri-----	56	47	-	-	1	-	3	-	3	3	21	8
North Dakota-----	22	29	-	-	-	-	1	-	-	-	1	-
South Dakota-----	13	5	-	-	-	-	-	-	-	-	-	-
Nebraska-----	5	36	-	-	-	-	-	-	-	3	2	3
Kansas-----	28	34	-	-	-	-	2	-	6	2	-	-
SOUTH ATLANTIC-----	295	274	2	2	-	8	2	1	95	33	30	25
Delaware-----	2	1	-	-	-	-	1	-	2	-	-	-
Maryland-----	33	96	-	-	-	1	-	-	14	4	-	-
District of Columbia-----	8	2	-	-	-	1	-	-	1	3	-	-
Virginia-----	88	100	-	-	-	3	-	-	17	5	5	5
West Virginia-----	34	31	-	-	-	-	-	-	16	15	4	7
North Carolina-----	61	12	-	-	-	-	1	-	17	1	5	5
South Carolina-----	9	1	2	-	-	1	-	-	8	1	3	4
Georgia-----	39	26	-	1	-	2	-	1	13	-	5	4
Florida-----	21	5	-	1	-	-	-	-	7	4	8	-
EAST SOUTH CENTRAL-----	94	53	-	-	1	7	6	-	63	44	32	52
Kentucky-----	54	21	-	-	1	4	4	-	35	4	8	17
Tennessee-----	32	23	-	-	-	-	-	-	13	7	9	10
Alabama-----	7	7	-	-	-	3	-	-	10	24	8	15
Mississippi-----	1	2	-	-	-	-	2	-	5	9	7	10
WEST SOUTH CENTRAL-----	975	743	-	1	6	5	13	1	261	182	38	23
Arkansas-----	107	22	-	-	1	-	6	-	10	18	2	-
Louisiana-----	11	7	-	1	-	1	-	-	3	1	16	-
Oklahoma-----	17	38	-	-	-	-	2	-	-	7	3	-
Texas-----	840	676	-	-	5	4	5	1	248	156	17	23
MOUNTAIN-----	384	243	4	1	-	3	5	-	54	25	-	2
Montana-----	11	26	-	-	-	-	-	-	8	1	-	-
Idaho-----	23	29	-	-	-	-	-	-	-	2	-	-
Wyoming-----	6	75	-	1	-	-	1	-	-	1	-	-
Colorado-----	151	35	-	-	-	-	1	-	9	5	-	-
New Mexico-----	29	13	-	-	-	2	1	-	4	14	-	-
Arizona-----	134	14	4	-	-	1	1	-	19	2	-	2
Utah-----	30	51	-	-	-	-	1	-	12	-	-	-
Nevada-----	-	-	-	-	-	-	-	-	2	-	-	-
PACIFIC-----	349	513	-	-	-	2	5	1	144	84	1	6
Washington-----	80	143	-	-	-	-	-	-	20	7	-	-
Oregon-----	38	42	-	-	-	1	-	-	28	19	-	-
California-----	231	328	-	-	-	1	5	1	96	58	1	6
Alaska-----	-	-	-	-	-	-	-	-	-	-	-	-
Hawaii-----	4	1	-	-	-	-	-	-	1	2	-	-
Puerto Rico-----	-	-	-	-	-	-	2	-	109	12	-	3

^aReport for April.



The chart shows the number of deaths reported for 108 major cities of the United States by week for the current year, and, for comparison, the median of the number of deaths reported for the corresponding weeks of the 3 previous calendar years. (The median is the central one of the three values arranged in order of magnitude.) If a report is not received from a city in time to be included in the total for the current week, an estimate is made to maintain comparability for graphic presentation.

The figures reported represent the number of death certificates received in the vital statistics offices during the week indicated, for deaths occurring in that city. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between

death and receipt of the certificate.

While week-to-week changes in the total number of deaths reported for all major cities generally represent a change in mortality conditions, this may not be true for variations in weekly figures for each city. For example, in a city where 50 deaths are the weekly average, the number of deaths occurring in a week may be expected to vary by chance alone from 36 to 64 ($d \pm 2\sqrt{d}$, where d represents the average number of deaths per week).

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of their populations, and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISION

(By place of occurrence, and week of filing certificate. Exclusive of fetal deaths)

AREA	19th week ended May 15, 1954	18th week ended May 8, 1954	19th week median 1951-53	Percent change, median to current week	CUMULATIVE NUMBER FOR FIRST 19 WEEKS		
					1954	1953	Percent change
TOTAL: 106 REPORTING CITIES-----	9,663	9,564	9,617	+0.5	193,773	204,992	-5.5
New England----- (14 cities)	670	639	650	+3.1	13,084	13,652	-4.2
Middle Atlantic----- (17 cities)	2,843	2,905	2,924	-2.8	57,605	60,867	-5.4
East North Central----- (18 cities)	2,058	2,103	2,126	-3.2	42,381	45,279	-6.4
West North Central----- (7 cities)	677	636	674	+0.4	13,016	14,430	-9.8
South Atlantic----- (9 cities)	724	747	714	+1.4	14,985	15,974	-6.2
East South Central----- (8 cities)	463	417	451	+2.7	9,014	9,508	-5.2
West South Central----- (13 cities)	666	653	712	-6.5	14,772	15,246	-3.1
Mountain----- (8 cities)	239	220	231	+3.5	4,467	4,977	-10.2
Pacific----- (12 cities)	1,323	1,244	1,131	+17.0	24,449	25,059	-2.4

Morbidity and Mortality Weekly Report

Table 4. DEATHS IN SELECTED CITIES FOR WEEK ENDED MAY 15, 1954

(By place of occurrence, and week of filing certificate. Exclusive of fetal deaths)

CITY	19th week ended May 15, 1954	18th week ended May 8, 1954	CUMULATIVE NUMBER FOR FIRST 19 WEEKS		CITY	19th week ended May 15, 1954	18th week ended May 8, 1954	CUMULATIVE NUMBER FOR FIRST 19 WEEKS	
			1954	1953				1954	1953
NEW ENGLAND					WEST NORTH CENTRAL—Con.				
Boston-----	217	213	4,315	4,666	St. Louis-----	207	224	4,405	4,988
Bridgeport-----	41	26	689	641	St. Paul-----	78	70	1,260	1,316
Cambridge-----	28	29	562	558	Wichita-----	45	38	780	818
Fall River-----	29	32	580	556	SOUTH ATLANTIC				
Hartford-----	60	44	882	925	Atlanta-----	110	92	2,014	2,135
Lowell-----	36	26	560	508	Baltimore-----	201	203	4,281	4,683
Lynn-----	14	19	419	423	Charlotte-----	26	32	600	552
New Bedford-----	21	22	430	478	Jacksonville-----	---	(44)	---	---
New Haven-----	42	42	891	890	Miami-----	66	97	1,304	1,238
Providence-----	65	58	1,216	1,248	Norfolk-----	21	38	575	637
Somerville-----	16	12	286	312	Richmond-----	56	53	1,224	1,324
Springfield, Mass.-----	21	43	774	793	Savannah-----	---	(29)	---	---
Waterbury-----	21	23	479	541	Tampa-----	54	53	1,108	1,153
Worcester-----	59	50	1,001	1,113	Washington, D. C.-----	163	144	3,233	3,607
MIDDLE ATLANTIC					Wilmington, Del.-----	27	35	646	645
Albany-----	49	45	874	889	EAST SOUTH CENTRAL				
Allentown-----	(21)	(42)	(672)	---	Birmingham-----	67	68	1,508	1,415
Buffalo-----	119	152	2,760	2,813	Chattanooga-----	39	34	881	959
Camden-----	29	33	722	702	Knoxville-----	34	31	659	681
Elizabeth-----	32	43	560	610	Louisville-----	103	104	2,054	2,131
Erie-----	37	33	639	677	Memphis-----	120	72	1,793	2,067
Jersey City-----	79	74	1,405	1,408	Mobile-----	27	27	616	631
Newark, N. J.-----	94	87	1,931	2,118	Montgomery-----	27	27	516	569
New York City-----	1,516	1,530	30,439	32,095	Nashville-----	46	54	987	1,055
Paterson-----	32	33	748	780	WEST SOUTH CENTRAL				
Philadelphia-----	432	462	8,991	9,697	Austin-----	27	24	477	489
Pittsburgh-----	144	155	3,189	3,476	Baton Rouge-----	10	14	423	293
Reading-----	(19)	(19)	(416)	---	Corpus Christi-----	33	10	308	345
Rochester, N. Y.-----	100	90	1,796	1,940	Dallas-----	93	88	1,832	1,887
Schenectady-----	25	21	463	486	El Paso-----	23	27	505	574
Scranton-----	(31)	(41)	(651)	---	Fort Worth-----	46	50	998	1,134
Syracuse-----	52	63	1,082	1,058	Houston-----	100	96	2,404	2,400
Trenton-----	63	31	906	970	Little Rock-----	31	28	771	841
Utica-----	23	25	581	627	New Orleans-----	141	122	2,900	3,077
Yonkers-----	17	28	519	521	Oklahoma City-----	28	49	1,111	1,075
EAST NORTH CENTRAL					San Antonio-----	66	60	1,488	1,602
Akron-----	55	63	1,065	1,163	Shreveport-----	38	38	726	816
Canton-----	19	30	575	584	Tulsa-----	30	47	829	713
Chicago-----	725	692	14,041	15,145	MOUNTAIN				
Cincinnati-----	134	134	2,680	2,937	Albuquerque-----	23	27	522	513
Cleveland-----	198	180	3,926	4,159	Colorado Springs-----	24	12	237	263
Columbus-----	90	97	1,946	2,141	Denver-----	84	99	1,969	2,229
Dayton-----	47	63	1,232	1,239	Ogden-----	11	16	198	228
Detroit-----	268	294	6,052	6,413	Phoenix-----	28	24	445	480
Evansville-----	22	38	618	660	Pueblo-----	21	11	251	282
Flint-----	40	44	735	727	Salt Lake City-----	46	27	768	875
Fort Wayne-----	24	25	497	607	Tucson-----	2	4	77	107
Gary-----	(11)	(26)	(469)	---	PACIFIC				
Grand Rapids-----	39	32	781	793	Berkeley-----	20	12	348	337
Indianapolis-----	116	108	2,224	2,239	Long Beach-----	50	58	955	941
Milwaukee-----	103	134	2,338	2,507	Los Angeles-----	433	442	8,830	9,046
Peoria-----	35	25	594	597	Oakland-----	100	100	1,867	1,960
South Bend-----	16	19	425	470	Pasadena-----	31	35	633	692
Toledo-----	81	82	1,710	1,816	Portland, Oreg.-----	103	100	1,899	2,012
Youngstown-----	46	43	942	1,082	Sacramento-----	46	34	905	931
WEST NORTH CENTRAL					San Diego-----	118	74	1,419	1,445
Des Moines-----	48	57	920	981	San Francisco-----	212	160	3,621	3,933
Duluth-----	---	(35)	---	(521)	Seattle-----	133	138	2,388	2,268
Kansas City, Kans.-----	---	---	---	(637)	Spokane-----	39	59	896	832
Kansas City, Mo.-----	131	93	2,203	2,511	Tacoma-----	38	32	688	862
Minneapolis-----	119	108	2,268	2,510	Honolulu-----	(37)	(28)	(677)	(621)
Omaha-----	49	46	1,180	1,306					

Symbols.—parentheses [()]: data not included in table 3; 3 dashes [---]: data not available.

Morbidity and Mortality Weekly Report

had purchased them.

Dr. D. P. MacDonald, County Health Officer, New York State, reports an outbreak of gastro-enteritis in a school. Of 245 persons at the school, 65 became ill with nausea and vomiting. Less common were cramps, mild diarrhea, fever, and chills. The symptoms for the most part were mild and of short duration. Hamburger was suspected to be the vehicle of infection and the incubation period was given as about 12 hours. Of 15 ill pupils investigated, 13 ate hamburger, 4 had white milk, and 8 had chocolate milk. The hamburger was from U. S. surplus ground beef. None of the meat was left from the suspected meal, but a unit of hamburger was taken from the deep freeze and sent to a laboratory for examination, but the report has not yet been received.

Dr. J. R. Enright, Hawaii Department of Health, reports an outbreak of gastro-enteritis following a banquet attended by about 350 persons. Of these, about 100 became ill from 3 to 14 hours later. The symptoms observed were vomiting, cramps, and diarrhea. The meal consisted of fried chicken, mashed potatoes, vegetables, potato-macaroni salad, cake, ice cream, fruit punch, coffee, and tea. All of those who were questioned following their illness had eaten the salad, and several stated that it tasted sour. A sample of salad was examined bacteriologically and coagulase positive *Staphylococcus aureus* was present. The salad was mixed by hand and refrigerated but the refrigeration was inadequate. No infections or abrasions were found on the hands of the food handlers. An inspection revealed many unsanitary practices and a faulty dishwasher.

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